



Caribou Volcanic Field

Panorama looking west from the west flank of Campbell Mountain, ½ mile southwest of the summit (Antelope Mountain quadrangle). Visible on the skyline are vents for six sequences/chains of the Caribou Volcanic Field. At the left is the Echo Lake sequence, represented by Star Butte (basaltic andesite of Star Butte, unit mes, ~300 ka) and hill 6760 (basaltic andesites of Echo Lake, unit mee1, 302±36 ka). To the immediate right is the Caribou Chain, represented by hill 7143 (basaltic andesite of Hay Meadow, unit mch, 375–400 ka), South Caribou (basalt of South Caribou, unit bcs, ~350 ka), hill 7643 (basaltic andesite of middle Caribou, unit mcm, 362±33 ka), and North Caribou (basaltic andesites of North Caribou, with unit mcn5 at the summit, ~350 ka). In the center is the Red Cinder chain, represented by hill 8030 (basalt of hill 8030, unit br80, 25–40 ka), Red Cinder (basaltic andesite of Red Cinder, unit mrr, 25–40 ka)—at 2,553 m the highest elevation in the eastern part of the map area (Sheet 1)—and hill 7711 (basalt of section 25, unit br25, 40–70 ka). To the right of center is the Bidwell Spring Chain, represented by the cinder cone of Black Butte (basaltic andesite of Black Butte, unit mdb2,

50–70 ka) and the south cone of Twin Buttes (basalt of Twin Buttes, unit bdt, 46±3 ka). The north cone of Twin Buttes is hidden by the basalt of hill 2232 (unit bl22, 220±14 ka, part of the Cone Lake chain). At the far right is the Poison Lake chain (100–110 ka), with the basalts and basaltic andesites of Bogard Buttes (unit bb12), at the furthest right. The Caribou Volcanic Field left of the Red Cinder chain (center skyline) is highly modified by glaciation, whereas the terrain to the right is unglaciated and displays original constructional forms. Just barely visible in the distance behind the Poison Lake chain and Twin Buttes are Prospect Peak (unit ap, 247±56 ka) and West Prospect Peak (unit awp, 300–400 ka), both regional calc-alkaline volcanoes. The prominent, snow-covered peak in the far distance is Lassen Peak (unit dl, 27±1 ka), part of the Eagle Peak sequence of the Lassen domefield. At the far left of the panorama is Swain Mountain, a basaltic andesite regional calc-alkaline shield volcano (unit msw, 1,570±35 ka). At the far right of the panorama are Bogard Buttes, the bulk of which (including hill 2298) is the dacite of Bogard Buttes (unit Tdb, ~2,200–2,350 ka).

Photographs by Patrick Muffler.